CLAIM AMENDMENTS

Please replace all prior versions of the claims with the following listing of the revised claims.

In The Claims:

1. (currently amended) An intraluminal support device for providing support to a body vessel, comprising:

a support frame comprising a tubular structure formed of one or more frame threads and having a length and a substantially uniform circumference comprising a full circle; and

a graft material disposed on a portion of the support frame and spanning at least a portion of the length, the graft material extending only a partial distance along the circumference of the support frame, said partial distance being at least ½ of the circumference.

- 2. (original) The intraluminal support device of claim 1, wherein the one or more frame threads define a plurality of cells; and wherein the graft material spans at least one of the plurality of cells.
- 3. (original) The intraluminal support device of claim 1, wherein the uniform circumference is adapted to engage the entire interior circumference of a particular cross-section of said vessel.
- 4. (original) The intraluminal support device of claim 1, wherein a single frame thread forms the support frame.
- 5. (original) The intraluminal support device of claim 4, wherein the frame thread defines a plurality of ring segments joined together by curved regions.
- 6. (original) The intraluminal support device of claim 5, wherein adjacent curved regions extend beyond each other such that adjacent ring segments are interleaved.
- 7. (original) The intraluminal support device of claim 4, wherein the frame thread comprises a pattern formed from a sheet of biocompatible material.
- 8. (original) The intraluminal support device of claim 1, wherein the graft material extends from a first end to a second end of the support frame.
- 9. (original) The intraluminal support device of claim 1, wherein the graft material extends along a fractional length of the length of the support frame.

- 10. (original) The intraluminal support device of claim 1, wherein the portion of the support frame contacting the graft material is embedded in the graft material.
- 11. (original) The intraluminal support device of claim 1, wherein the graft material covers the portion of the support frame contacting the graft material.
- 12. (original) The intraluminal support device of claim 11, further comprising attachment means for connecting the graft material to the support frame.
- 13. (original) The intraluminal support device of claim 1, wherein the partial distance along the circumference of the support frame is approximately ½ of the circumference.
 - 14. (cancelled).
- 15. (original) The intraluminal support device of claim 1, further comprising at least one radiopaque marker disposed on a frame thread.
- 16. (original) The intraluminal support device of claim 15, wherein the graft material has first and second lateral edges along the circumference of the support frame;

wherein the at least one radiopaque marker comprises first and second radiopaque markers;

wherein the first radiopaque marker is positioned adjacent the first lateral edge; and

wherein the second radiopaque marker is positioned adjacent the second lateral edge.

- 17. (original) The intraluminal support device of claim 16, wherein the at least one radiopaque marker further comprises a third radiopaque marker disposed between the first and second radiopaque markers and adjacent the graft material.
- 18. (currently amended) An intraluminal support device, comprising: a frame thread formed into a plurality of interleaved ring segments joined together by curved regions to form a tubular structure having a first end, a second end, and defining a plurality of cells that provide a substantially uniform circumference comprising a full circle to the tubular structure; and

a graft material extending only a partial distance along the circumference of the tubular structure and from the first end to the second end such that the graft material spans a portion of each cell of the plurality of cells, said partial distance being at least ½ of the circumference.

19. (original) The intraluminal support device of claim 18, wherein the partial distance along the circumference of the tubular structure is approximately ½ of the circumference.

- 20. (cancelled).
- 21. (currently amended) An intraluminal support device, comprising: a support frame formed from a pattern in a sheet of biocompatible material, the support frame comprising a tubular structure having a first end, a second end, and defining a plurality of cells that provide a substantially uniform circumference comprising a full circle to the support frame; and

a graft material extending only a partial distance along the circumference of the support frame and from the first end to the second end such that the graft material spans a portion of each cell of the plurality of cells, said partial distance being at least ½ of the circumference.

- 22. (original) The intraluminal support device of claim 21, wherein the partial distance along the circumference of the support frame is approximately ½ of the circumference.
 - 23. (cancelled).
- 24. (original) The intraluminal support device of claim 21, further comprising attachment means for connecting the graft material to the support frame.
- 25. (original) The intraluminal support device of claim 21, further comprising at least one radiopaque marker disposed on the support frame.
- 26. (original) The intraluminal support device of claim 25, wherein the graft material has first and second lateral edges along the circumference of the support frame;

wherein the at least one radiopaque marker comprises first and second radiopaque markers;

wherein the first radiopaque marker is positioned adjacent the first lateral edge; and

wherein the second radiopaque marker is positioned adjacent the second lateral edge.

- 27. (original) The intraluminal support device of claim 26, wherein the at least one radiopaque marker further comprises a third radiopaque marker disposed between the first and second radiopaque markers and adjacent the graft material.
- 28. (currently amended) An apparatus for delivering an intraluminal support device to a vessel, comprising:
 - a first catheter having a first distal end;
 - a balloon positioned on the first distal end;
- a support frame surrounding the balloon and comprising a tubular structure formed of one or more frame threads defining a plurality of cells that provide a substantially uniform circumference comprising a full circle to the support frame; and

a graft material disposed on a portion of the support frame and spanning at least a portion of one or more cells of the plurality of cells, the graft material extending only a partial distance along the circumference of the support frame, said partial distance being at least ½ of the circumference;

wherein the balloon is adapted to circumferentially expand the support frame upon inflation.

29. (original) The apparatus of claim 28, further comprising a retractable second catheter having a second distal end defining a lumen;

wherein the support frame and first catheter are disposed in the lumen of the second distal end.

30. (currently amended) An intraluminal support device, comprising: a support frame comprising a tubular structure having a uniform circumference comprising a full circle and formed of a pattern in a sheet of biocompatible material, the pattern defining first and second series of opposing fingers connected by a longitudinal support; and

a graft material attached to first and second fingers of the first series of opposing fingers and extending only a partial distance along the circumference of the support frame, said partial distance being at least ½ of the circumference.

- 31. (original) The intraluminal support device of claim 30, wherein a portion of at least one finger of the second series of fingers lies below the graft material.
- 32. (original) The intraluminal support device of claim 31, wherein a clearance exists between a portion of the first and second fingers of the first series of fingers and the graft material.
- 33. (original) The intraluminal support device of claim 30, wherein the graft material is attached to distal ends of the first and second fingers.
- 34. (original) The intraluminal support device of claim 30, wherein the partial distance along the circumference of the support frame is approximately ½ of the circumference.
 - 35. (cancelled).
- 36. (original) The intraluminal support device of claim 30, further comprising at least one radiopaque marker disposed on the support frame.
- 37. (original) The intraluminal support device of claim 36, wherein the graft material has first and second lateral edges along the circumference of the support frame;

wherein the at least one radiopaque marker comprises first and second radiopaque markers;

wherein the first radiopaque marker is positioned adjacent the first lateral edge; and wherein the second radiopaque marker is positioned adjacent the second lateral edge.

- 38. (original) The intraluminal support device of claim 37, wherein the at least one radiopaque marker further comprises a third radiopaque marker disposed between the first and second radiopaque markers and adjacent the graft material.
- 39. (new) An intraluminal support device for providing support to a body vessel, comprising:
- a support frame comprising a tubular structure formed of one or more frame threads and having a length and a substantially uniform circumference comprising a full circle; and
- a <u>non-metallic</u> graft material disposed on a portion of the support frame and spanning at least a portion of the length, the graft material extending only a partial distance along the circumference of the support frame.